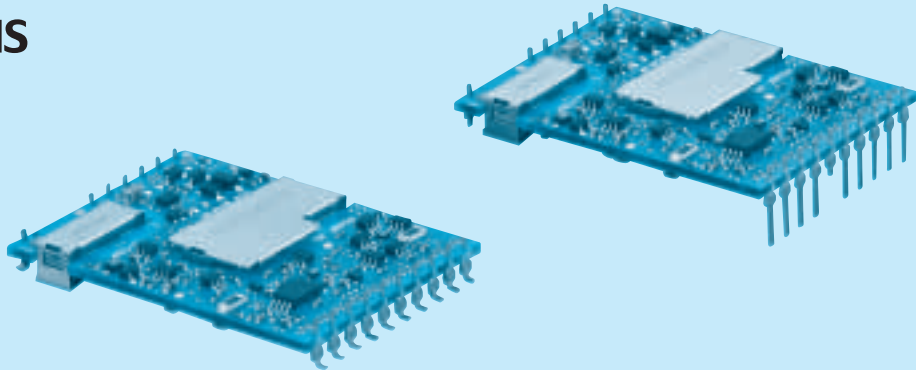


# SFS10

SF S 10 48 3R3 A

① ② ③ ④ ⑤ ⑥



- ① Series name
- ② Single output
- ③ Output wattage
- ④ Input voltage  
48:DC36 - 76V
- ⑤ Output voltage
- ⑥ Mounting type  
(Soldering process)  
A :SMD(Sn-Pb solder)  
B :SMD(Pb-free solder)  
C :DIP(Pb-free solder)

| MODEL                 | SFS10481R2 | SFS10481R5 | SFS10481R8 | SFS104802 | SFS10482R5 | SFS10483R3 | SFS104805 | SFS104812 | SFS104815 |
|-----------------------|------------|------------|------------|-----------|------------|------------|-----------|-----------|-----------|
| MAX OUTPUT WATTAGE[W] | 4.2        | 5.25       | 5.4        | 6.0       | 7.5        | 9.9        | 10.0      | 10.8      | 10.5      |
| DC OUTPUT             | 1.2V 3.5A  | 1.5V 3.5A  | 1.8V 3A    | 2V 3A     | 2.5V 3A    | 3.3V 3A    | 5V 2A     | 12V 0.9A  | 15V 0.7A  |

## SPECIFICATIONS

|                               | MODEL                              | SFS10481R2  | SFS10481R5 | SFS10481R8 | SFS104802 | SFS10482R5 | SFS10483R3 | SFS104805 | SFS104812 | SFS104815 |  |
|-------------------------------|------------------------------------|---|------------|------------|-----------|------------|------------|-----------|-----------|-----------|--|
| INPUT                         | VOLTAGE[V]                         | DC36 - 76   |            |            |           |            |            |           |           |           |  |
|                               | CURRENT[A]                         | *1 0.11typ  | 0.13typ    | 0.13typ    | 0.15typ   | 0.18typ    | 0.23typ    | 0.23typ   | 0.26typ   | 0.25typ   |  |
|                               | EFFICIENCY[%]                      | *1 80typ  | 82typ      | 84typ      | 85typ     | 86typ      | 88typ      | 89typ     | 88typ     | 88typ     |  |
|                               | START-UP VOLTAGE[V]                | DC32 - 36   |            |            |           |            |            |           |           |           |  |
|                               | HYSTERESIS VOLTAGE[V]              | DC2 min   |            |            |           |            |            |           |           |           |  |
| OUTPUT                        | VOLTAGE[V]                         | 1.2   | 1.5        | 1.8        | 2         | 2.5        | 3.3        | 5         | 12        | 15        |  |
|                               | CURRENT[A]                         | 3.5   | 3.5        | 3          | 3         | 3          | 3          | 2         | 0.9       | 0.7       |  |
|                               | VOLTAGE ACCURACY[%]                | +5, -3  |            |            |           |            |            |           |           |           |  |
|                               | RIPPLE[mVp-p]                      | 25max   |            |            |           |            |            |           |           | 120max    |  |
|                               | RIPPLE NOISE[mVp-p]                | 50max   |            |            |           |            |            |           |           | 150max    |  |
|                               | START-UP TIME[ms]                  | 20 - 200max (DCIN 48V, Io=100%)   |            |            |           |            |            |           |           |           |  |
| PROTECTION CIRCUIT AND OTHERS | OUTPUT VOLTAGE SETTING *1          | ±1% of rated output voltage   |            |            |           |            |            |           |           |           |  |
|                               | OVERCURRENT PROTECTION             | Works over 103% of rating   |            |            |           |            |            |           |           |           |  |
|                               | OVERVOLTAGE PROTECTION             | Works at 120 - 140% of rating   |            |            |           |            |            |           |           |           |  |
|                               | LOWVOLTAGE PROTECTION              | Works at 90% max of rating  |            |            |           |            |            |           |           |           |  |
|                               | REMOTE ON/OFF                      | Provided(RC open : ON, short between RC and +Vin : OFF)                                     |            |            |           |            |            |           |           |           |  |
| ISOLATION                     | INPUT-OUTPUT                       | DC1.500V 1minute, DC500V 50MΩ min (20±15°C)   |            |            |           |            |            |           |           |           |  |
| ENVIRONMENT                   | OPERATING TEMP.,HUMID.AND ALTITUDE | -40 to +85°C, 20 - 95%RH (Non condensing), 3,000m (10,000feet) max                          |            |            |           |            |            |           |           |           |  |
|                               | STORAGE TEMP.,HUMID.AND ALTITUDE   | -40 to +100°C, 20 - 95%RH (Non condensing), 9,000m (30,000feet) max                         |            |            |           |            |            |           |           |           |  |
|                               | VIBRATION                          | 10 - 55Hz, 49.0m/s <sup>2</sup> (5G), 3minutes period, 60minutes each along X, Y and Z axis |            |            |           |            |            |           |           |           |  |
|                               | IMPACT                             | 196.1m/s <sup>2</sup> (20G), 11ms, once each X, Y and Z axis                                |            |            |           |            |            |           |           |           |  |
| SAFETY                        | AGENCY APPROVALS                   | UL60950-1, C-UL (CSA60950-1), EN60950-1   |            |            |           |            |            |           |           |           |  |
| OTHERS                        | CASE SIZE/WEIGHT                   | 38.7 × 5.0 × 27.2mm (W × H × D) /12g max  |            |            |           |            |            |           |           |           |  |
|                               | COOLING METHOD                     | Convection  |            |            |           |            |            |           |           |           |  |

\*1 At rated input(DC48V), rated load and 25°C