



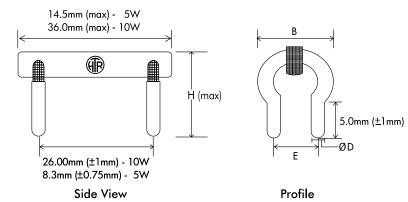


- 5W and 10W
- Resistance from R00012 to R003Flame Retardant Coating





PHYSICAL CONFIGURATION



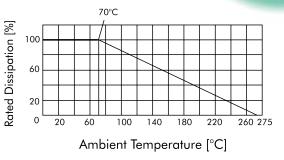
HTR TYPE	POWER RATING at 70°C (AMBIENT)	DIMENSIONS (mm)				RESISTANCE	TYPICAL
		H (max)	ØD 0.15/-0.1	E ±0.5	B ±1.0	VALUE	WEIGHT PER PC (gms)
OFSC-5-012	5W	15.5	2.1	4.5	12.0	R00012	4.8
OFSC-5-015	5W	15.5	2.1	4.5	12.0	R00015	4.8
OFSC-5-02	5W	15.5	2.1	4.5	12.0	R0002	3.8
OFSC-5-03	5W	15.5	2.1	4.5	12.0	R0003	3.5
OFSC-5-04	5W	13.0	1.6	3.1	9.6	R0004	2.2
OFSC-5-05	5W	13.0	1.6	3.1	9.6	R0005	2.0
OFSC-5-06	5W	13.0	1.6	3.1	9.6	R0006	1.7
OFSC-5-07	5W	13.0	1.6	3.1	9.6	R0007	1.6
OFSC-5-08	5W	13.0	1.6	3.1	9.6	R0008	1.5
OFSC-5-09	5W	13.0	1.6	3.1	9.6	R0009	1.5
OFSC-5-1	5W	13.0	1.6	3.1	9.6	R001	1.5
OFSC-5-2	5W	13.0	1.6	3.1	9.6	R002	1.4
OFSC-10-04	10W	16.0	2.1	6.4	11.5	R0004	9.8
OFSC-10-05	10W	16.0	2.1	6.4	11.5	R0005	8.0
OFSC-10-1	10W	16.0	2.1	6.4	11.5	R001	6.9
OFSC-10-125	10W	14.5	2.1	6.4	11.5	R00125	5.95
OFSC-10-15	10W	14.5	2.1	6.4	11.5	R0015	5.0
OFSC-10-16	10W	14.5	2.1	6.4	11.5	R0016	4.8
OFSC-10-2	10W	14.5	2.1	6.4	11.5	R002	4.2
OFSC-10-25	10W	14.5	2.1	6.4	11.5	R0025	4.2
OFSC-10-3	10W	14.5	2.1	6.4	11.5	R003	2.8

• Current Rating : Upto 160amps under certain conditions and diameter of terminals used (please check with factory for details).

• Due to availability of different resistance alloys, it is sometimes possible to offer these resistors with alternatives mounting pitches (please check with factory for details).



DERATING CURVE



No : 303 of MIL 202 F	\pm 5% (J); \pm 3% (H); \pm 2% (G) \pm 1% (F) + 1.5%
Full newer dissingtion at unto 70°C	
Full power dissipation at upto 70°C and linearly derated down to zero dissipation at 275°C (see derating curve above)	5W/10W (70°C)
-55℃ to +275℃	-55°C to +275°C (Suitably directed as per derating curve shown above)
√ PxR	5 W - Temperature on body / termination } <120°C / 75°C 10W - Temperature on body / termination } < 220°C/ 90°C
1) 10 x Power Rating for 5 secs 2) 5 x Power Rating for 5 secs	Δ R ± < 0.75% (typical) Δ R ± < 0.35% (typical)
	< 10 nH
No: 304 (20°C - 60°C) of MIL 202 F	< R0002 < 200 ppm / °C > R0002 < 100 ppm / °C < R0005 < 200 ppm / °C > R0005 < 100 ppm / °C } 10W
Limiting voltage applied until temperature stabilizes & then placed in cold temperature -55°C for 15 minutes	Δ R < 0.3% (typical)
No : 103 B of MIL 202 F and test condition "D"	$\Delta R < 0.5\%$
No : 208 F of MIL 202 F	Continuous and Satisfactory
No: 108 A of MIL 202 F	Δ R < 1.5% (typical)
	and linearly derated down to zero dissipation at 275°C (see derating curve above) -55°C to +275°C √ PxR 1) 10 x Power Rating for 5 secs 2) 5 x Power Ratin

ELECTRICAL & ENVIRONMENTAL CHARACTERISTICS / DATA



TYPICAL APPLICATIONS

The OFSC series offers a PCB mounted, non-inductive resistor having high stability / overload capacity. The unique 4 termination design serves the purpose of eliminating the inherent resistance of the leads. This makes the resistor highly accurate in current sensing operations. The resistor is finding widespread acceptance among inverter / UPS manufacturers.

ORDERING INFORMATION

Series	RoHS Compliance	Туре	Resistance Value	Tolerance
OFSC	*	OFSC-10-12	R00125	1.5%

1. For RoHS version - OFSC-10-12 *