

PRECISION ELECTRONIC COMPONENTS MFG. CO.

WIREWOUND RESISTORS/DATA SHEET



COMMITTED TO QUALITY

PGASERIES

RELIABLE TYPES FOR LOW COST APPLICATIONS
SILICONE COATED. AXIAL.

- * SMALL SIZE
- * SHATTER PROOF *
- REFERENCE STANDARD
- IS 8909

This Series of axial lead resistors meets the need of the electronic industry for a low cost, reliable, small size resistor for general application. Cost reduction is achieved by automatic winding of selected resistance wires on a bunch of low-loss glass fibre as base instead of the conventional ceramic formers.

The resistors of this series are mechanically strong (shatter proof) and are useful for a wide range of applications in industrial and entertainment electronics. They are suggested as a cheaper alternative to PEC's industrial grade PIA Series.

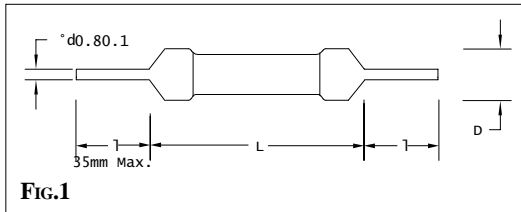


Fig.1

SPECIFICATIONS

TOLERANCE : FOR VALUES > 1R0 - ±10%
FOR VALUES ≤ 1R0 - ±10%, ±0R05
5% AVAILABLE IN ALL VALUES ON REQUEST

POWER RATING : 1. THE RESISTORS IN THIS SERIES, REACH HOT SPOT TEMPERATURES OF AROUND 350°C. WE RECOMMEND DERATING OF 50% IN ALL WATTEGS.
2. CLEARANCE FROM PCB OF ABOUT 5MM MAY BE NECESSARY.

STABILITY : DR < 5% AT FULL LOAD FOR 1000 HOURS

NOTES

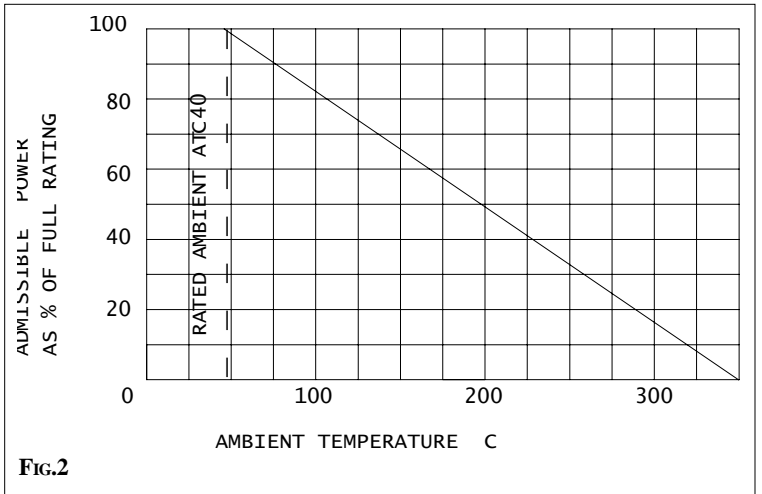


Fig.2

TABLE 1 : PGA SERIES - DIMENSION DETAILS - RESISTANCE RANGE

PEC TYPE	RATING	DIMENSIONS IN MM [IN.]		RESISTANCE RANGE FOR TCRs					
		L M AX.	D M AX.	400 ± 50 PPM		+ 40 - 80 PPM		± 30 PPM	
		MIN.	MAX.	MIN.	MAX.	MIN.	MAX.	MIN.	MAX.
G1	1W	15.0 [0.59]	5.0 [0.20]	0R33	0R91	1R	30R	33R	1K8
G2	2W	23.0 [0.91]	5.0 [0.20]	0R51	1R5	1R8	47R	51R	3K9
G3	3W	23.0 [0.91]	6.0 [0.24]	0R33	0R91	1R	68R	75R	5K
G5	5W	30.0 [1.18]	6.0 [0.24]	0R62	1R5	1R8	100R	110R	7K5
G7	7W	35.0 [1.38]	6.0 [0.24]	1R	2R	2R2	150R	180R	10K
G9	9W	50.0 [1.97]	6.0 [0.24]	2R	4R7	5R1	200R	220R	12K

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