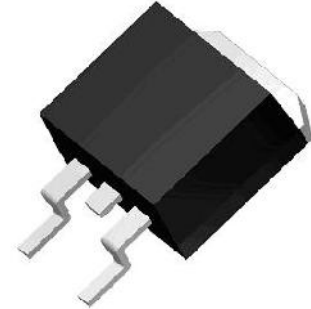


STR TO-263 Package Power Resistor

- 35 WATT AT 25°C CASE TEMPERATURE
- TO-263 STYLE POWER PACKAGE FOR SMD MOUNTING
- MOLDED CASE FOR PROTECTION
- RESISTOR IS ELECTRICALLY ISOLATED FOR METAL TAB
- IDEAL FOR RF POWER, SWITCH PWR SUPPLY, CONTROLLERS

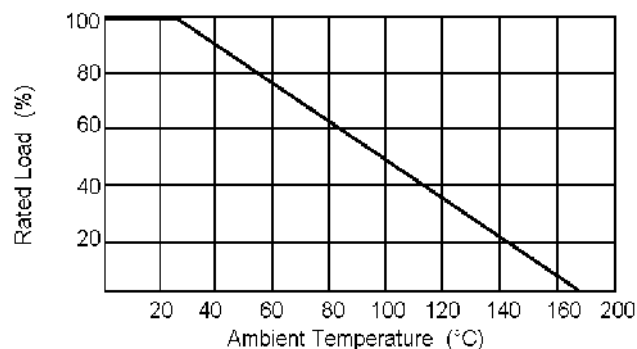


POWER RATING 35W

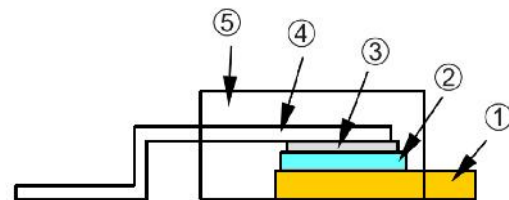
ELECTRICAL CHARACTERISTICS

Power Rating at 70°C		35 w
STYLE		STR35
Operating Temp. Range		-55°C ~ +175°C
Working Voltage		500v
Wattage in Free Air at 25°C		2.5w
Dielectric Strength		2000v
Insulation Resistance		10GΩ Min
Resistance Range	Not Specified	0.05Ω ~ 1Ω / 5% ~ 10%
	± 300ppm	>1Ω ~ 3Ω / 1% ~ 10%
	± 100ppm ± 200ppm	>3Ω ~ 10Ω / 1% ~ 10%
	± 50ppm ± 100ppm ± 200ppm	>10Ω ~ 100KΩ / 0.5% ~ 10%

POWER DERATING CURVE



CONSTRUCTION

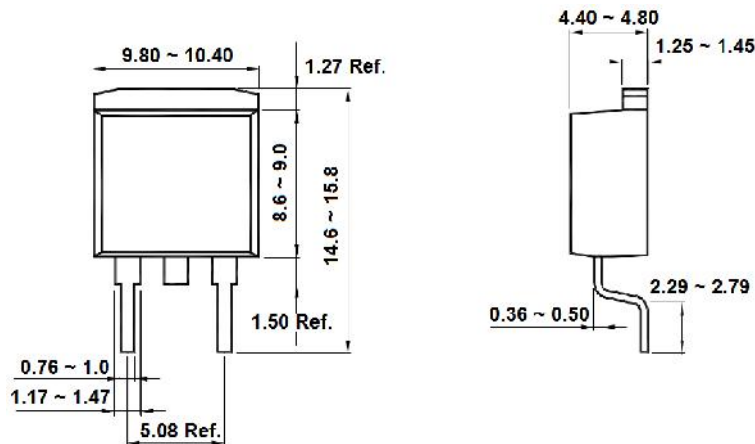


1	Flange	4	Lead
2	Alumina Substrate	5	Molding
3	Resistor Layer		

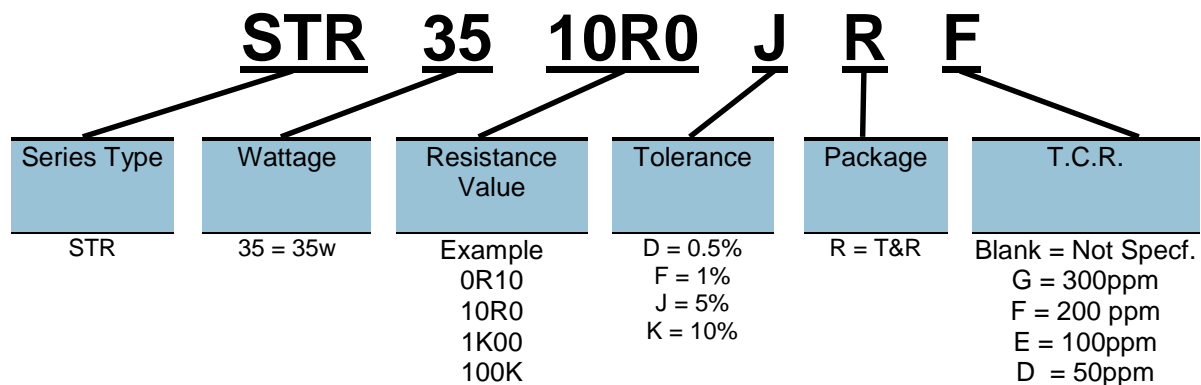
ENVIRONMENTAL CHARACTERISTICS

PERFORMANCE TEST	TEST METHOD	APPRAISE
Temperature Coefficient (T.C.R.)	Reference 25°C, R taken at +105°C	As Per Specification
Short Time Overload	2x rated Power with applied voltage not to exceed 1.5 x Maximum continuous operating voltage for 5 sec.	R ± 0.3%
Load Life	2,000 hours at rated power	R ± 1.0%
Damp Heat with Load	JIS-C5201 4.24 / IEC 60115-1 4.24 40 ±2°C, 90~95%RH at RCWV for 1,000hrs (1.5hr on, 0.5hr off)	R ± 0.5%
Resistance to Soldering Heat	260 ± 5°C for 10 seconds	R ± 0.5%
Solderability	245 ± 5°C for 3 seconds	90% minimum coverage
Temperature Cycling	-55°C~+175°C, 1000 cycles	R ± 0.3%
Terminal Strength	Pull Test, 2.4N	R ± 0.2%
Vibration, High Frequency	5g's for 20 min, 12 cycles each of 3 orientations, 10-2000 Hz	R ± 0.2%

DIMENSIONS



PART NUMBER



STANDARD PACKAGING

T&R - 500 pcs

LEAD FREE

STR Series parts are
RoHS & REACH Compliant