

Definition of Electrical Characteristics

- V_{max} : Maximum voltage the device can withstand without damage at rated current.
- I_{max} : Maximum fault current the device can withstand without damage at rated voltage.
- I_{hold} : Hold current; Maximum current at which the device will not trip in 23°C still air.
- I_{trip} : Trip current; Minimum current at which the device will trip in 23°C still air.
- R_{min} : Minimum device resistance in initial state at 23°C.
- R_{max} : Maximum device resistance in initial state at 23°C.
- $R1_{max}$: Maximum device resistance at 23°C measured 1 hours after tripping.
- $P(d)$: Maximum power dissipated from device when in the tripped state in 23°C still air.

Test and Environmental Characteristics

Items	Specification/Condition	Accept Criteria
Initial resistance	In still air at 23°C	$R_{min} \leq R \leq R_{max}$
Time to trip	At specified current, V_{max} at 23°C	Refer to time-to-trip chart
Hold current	30 min., at I_{hold}	No trip
Trip endurance	V_{max} , I_{max} , 100 cycles	No arcing or burning
Trip aging	V_{max} , 48 hours	No arcing or burning
Max.device surface temp.	In tripped state	125°C max.
Passive aging	85°C, 1000 hours	± 10% typical resistance change
Humidity aging	85°C, 85% RH, 1000 hours	± 10% typical resistance change
Thermal shock	85°C/-40°C, 10 times	+5 ~ -20% typical resistance change

Product Packing Specifications

Type	Series	Model	Packaging type	Quantity
Radial-leaded type	RDL06V RDL30V	090 ~ 110	Reel packaging Ammo packaging	3000 / pack
		135 ~ 185		2000 / pack
		250 ~ 400		1500 / pack
	RDL60V	010 ~ 050		3000 / pack
		065 ~ 075		2000 / pack
		090 ~ 185		1500 / pack
SMD type	2920SMD	All models	Reel Packaging	2000 / pack
	1812SMD			1500 / pack
	1206SMD			3000 / pack
	0805SMD			3000 / pack

* Basic Packaging unit for radial-leaded type and strap type is 500 pcs/bag.