

Telecom	B59212
MDF Applications, Metallized Square Disk	R 212

Preliminary Data

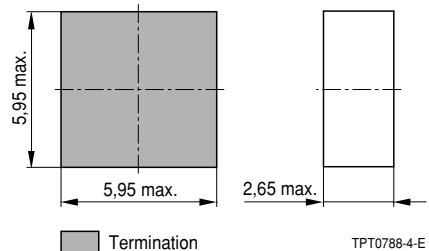
Applications

- Overcurrent protection in MDF modules

Features

- Compliant with ITU-T K20, K21, K45
 - basic level lightning surges (10/700 μ s)
 - basic level power induction (600 V, 1 A, 0,2 s)
 - power contact criteria A/B (230 V, 15 min.)
- Suitable for continuous connection to mains voltages of 110/230 VAC in tripped (high ohmic) condition
- Narrow resistance tolerance
- For clamp contacting and soldering
- Suitable for vertical SMD placement on PCB
- Soldering profile on request

Dimensional drawing



Dimensions (mm)

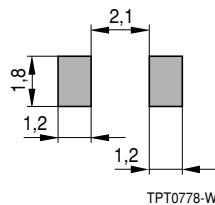
Options

- Alternative tolerances and resistances on request

Delivery mode

- On request

Recommended solder pad



General electrical data

Rated voltage	V_N	60	VDC
Maximum switching voltage	V_{Smax}	230	VAC
Resistance tolerance	ΔR_N	$\pm 15 \%$	
Operating temperature range ($V = 0$)	T_{op}	$-25/+125$	$^{\circ}\text{C}$
($V = 230 \text{ V}$)	T_{op}	$0/+60$	$^{\circ}\text{C}$
Resistance matching per packing unit	$R_{25, match}$	on request	Ω

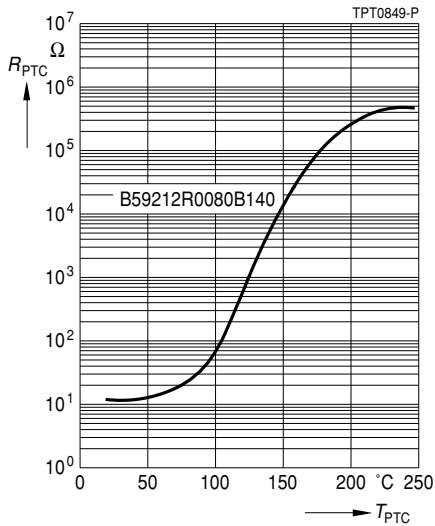
Electrical specification and ordering code

Type	R_N	I_N @ 25°C mA	I_N @ 40°C mA	I_S @ 25°C mA	I_{Smax} @ 230 VAC A	t_S @ I_{Smax} , 230 VAC s	Ordering code ¹⁾
R 212	12	120	85	350	1,5	< 1,5	B59212R0080B140

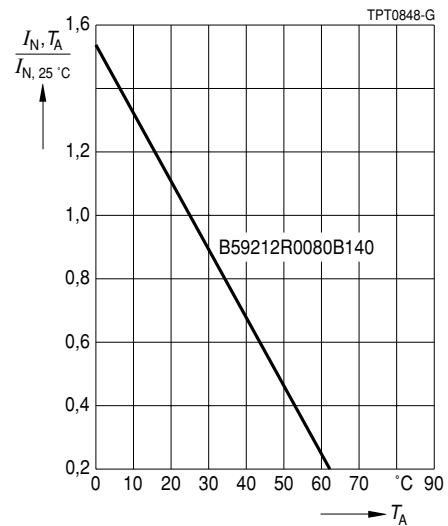
¹⁾ The compliance to technical requirements of PTC thermistors intended for deployment in main distribution frames, especially rated current and switching characteristics, must be verified in the specific module.

Characteristics (typical)

PTC resistance R_{PTC} versus
PTC temperature T_{PTC}
(measured at low signal voltage)



Rated current I_N versus ambient temperature T_A
(measured in still air)



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