

DATA SHEET OF EP2R-B3G1

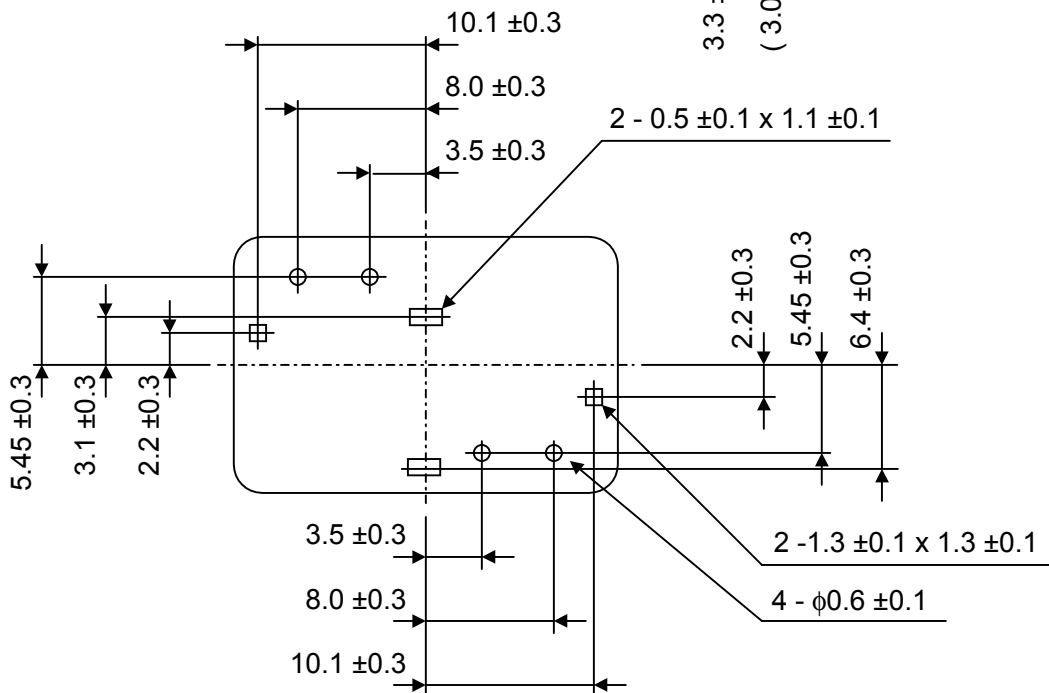
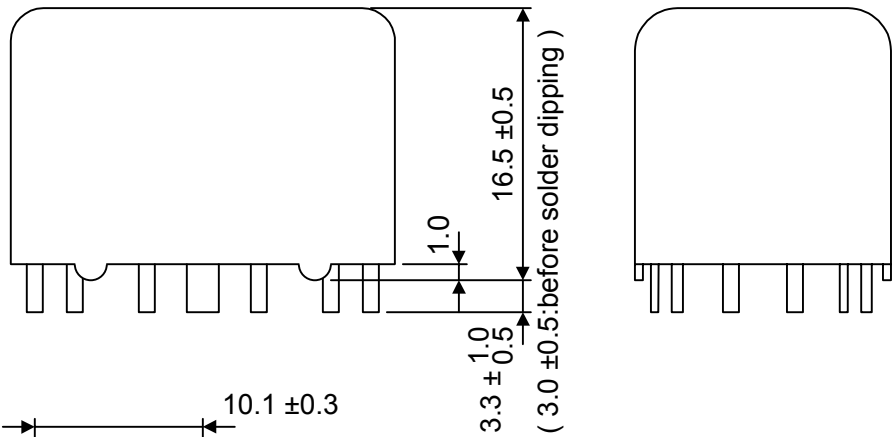
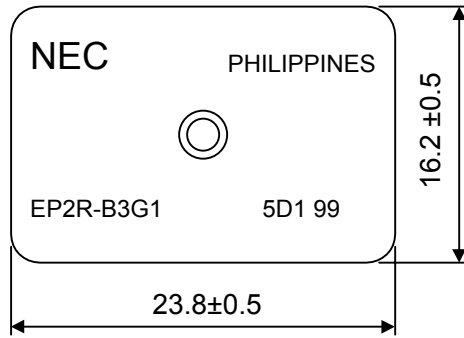
EMOS05-2012-01
 June 7, 2005
 Solution Engineering Division
 Networking Devices Operations Unit
 NEC TOKIN Corporation

at +20°C

Items		EP2R-B3G1
Contact form		1 form c x 2 (H-Bridge)
Contact material		Silver oxide complex alloy
Contact rating	Max. switching voltage	16Vdc
	Max. switching current	30A at 16Vdc
	Contact resistance	50mΩ max. at 7A/6Vdc
Operate time (excluding bounce, at nominal voltage)		5ms typical
Release time (excluding bounce, at nominal voltage)		2ms typical without diode
Nominal voltage		12Vdc
Nominal operate power		640mW
Coil resistance		225Ω±10%
Must operate voltage		6.5Vdc
Must release voltage		0.9Vdc
Coil temperature rise		50°C/W
Insulation resistance		100MΩ at 500Vdc
Breakdown voltage	Between open contacts	500Vac min. for 1minute
	Between coil and contact	500Vac min. for 1minute
Shock resistance	Misoperation	98m/s ² (10G)
	Destructive failure	980m/s ² (100G)
Vibration resistance	Misoperation	10 to 300Hz, 43 m/s ² (4.4G)
	Destructive failure	10 to 500Hz, 43 m/s ² (4.4G) for 200hours
Ambient temperature		-40 to +125°C
Life expectancy	Mechanical	1000k cycles
	Electrical	100k cycles 14Vdc / 25A motor lock
Enclosure		Unsealed
Weight		15g typical

DIMENSIONS

Unit: mm



PC BOARD PAD LAYOUT / PIN-OUT

