

MITSUBISHI ELECTRIC CORPORATION

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SUBJECT About type name standardization of Pb-free type DIP-IPM Ver.2 corresponding to the unitization of isolation voltage guarantee level

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The present terminal Pb solder plating type DIP-IPM Ver.2 are unfolded in two series of AC1500Vrms/min isolation voltage series (such as PS21244) and AC2500Vrms/min series (such as PS21444) only due to the different test rank of isolation voltage, although all these products are produced with completely the same components and internal structures.

The primary motivation of developing the above two series came from the reason of not incurring product qualified ratio down due to isolation voltage and ensuring product stable supply. However, from abundant production record of DIP-IPM ver.2, there is no problem concerning stable supply even using one isolation voltage test rank of AC2500Vrms/min.

Therefore, from Pb-free type DIP-IPM ver.2, the isolation voltage is determined to use uniquely AC2500Vrmsin as the guarantee condition of the final test, and the type name standardization is carried out corresponds to the unitization of the isolation voltage guarantee level.

Table 1 shows the present DIP-IPM ver.2 (terminal Pb-solder plating type) and their corresponded Pb-free type products.

Table 1 Present DIP-IPM Ver.2 and their Pb-free type products

Present DIP-IPM Ver.2		Corresponded Pb-free type	Remark
AC2500Vrms/min	AC1500Vrms/min	AC2500Vrms/min	
PS214**	PS212**	PS212**-P	Large package
PS214**-*	PS212**-*	PS212**-*P	Large package
PS214**-**	PS212**-**	PS212**-**P	Large package
PS2154*	PS2134*	PS2134*-P	Mini Package
PS2154*-*	PS2134*-*	PS2134*-*P	Mini Package
PS2155*	PS2135*	PS2135*-P	Mini Package
PS2155*-*	PS2135*-*	PS2135*-*P	Mini Package