

Material Portfolio



EITOS
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Class	IPC4101C	Definition	Main materials, usually on stock	Other materials, less used	Known equivalent materials
Standard FR-4	21	Dicy FR4(Tg130-140)	DE104 (Isola), IT140 (Iteq)	NP140(Nanya), S1141(Shengyi), VT42(Ventec),BK6160(Kingboard)	N4000-2
Thermo stable low Tg (Lead-Free)	101	Filled Phenolic FR4 (Tg 130-140°C)	R1755C (Panasonic), DE104i (Isola)	IT588 (Iteq), TU668 (TUC)	
Thermo stable mid Tg (Lead-Free)	99	Filled Phenolic FR4 (Tg 150-160°C)	IS400 (Isola) ,IT158 (Iteq), R1755M (Panasonic)	S1000(Shengyi), NP155F(Nanya), VT-481 (Ventec)	
Thermo stable HiTg (Lead-Free)	126	Filled Phenolic FR4 (Tg 170-180°C)	PCL370HR (Isola), IT180A (Iteq)	R1755V (Panasonic), N4000-29 (Nelco),TU768 (Tuc)	
H.F.	127	Hologen Free-mid Tg FR-4	R1566W (Panasonic)	IS 156 (Isola)	IT140G,TU862HF
PY	42	Polyimide	N7000-1 (Nelco)	VT-901 (Ventec)	
Mid Dk/ Mid Df		Dk: 3.7~4.0 (@1GHz) Df: 0.007~0.013 (@1GHz)	FR-408 (Isola), N4000-13 (Nelco)	IS 415 and FR-408HR (Isola); Megtron4 (Panasonic); Getek; IT200D(Iteq); N4800-20 (Nelco)	
Low Dk Low Df		Dk < 3.7 (@1GHz) Df < 0.007 (@1GHz)	RO4350B (Rogers), IS620i (Isola), AR25FR (Arlon)	N6800-22SI(Nelco); Megtron6 (Panasonic)	
RF		Df < 0.005 (@1GHz)	AR25N(Arlon); RO4003(Rogers)	RF35(Taconic); IS680(Isola); N9000 (Nelco)	Duroid series, RO 3000 series,TLX series