

UMC technology options for general MPW runs

Regular runs	Metallization	Core	IO	MIM	Topmetal	Special remarks
UMC 28N Logic/Mixed-Mode – HPC	Max. IP11M	0.9V	1.8V/2.5V	/	8kA/12kA/32.5kA	Metallization recommendation on request. Redistribution to Aluminium.
UMC 40N Logic/Mixed-Mode – LP	Max. IP11M	1.1V & 1.2V	1.8V/2.5V	/	8kA/12.5kA/34kA	Metallization recommendation on request. Redistribution to Aluminium.
UMC 65N Logic/Mixed-Mode/RF - LL	max. IP10M	1.2V	1.8V/2.5V/ 2.5V_OD3.3V/ 3.3V	2fF	8kA/32.5kA	Metallization recommendation on request. Redistribution to Aluminium. * = 6x (H) metal in development. Please get in touch with epumc@imec.be if you use this option.
UMC 55N Logic/Mixed-Mode/RF - SP	max. IP10M	1.0V & 1.1V	1.8V/2.5V/ 2.5V_OD3.3V/ 3.3V	2fF	8kA/32.5kA	Metallization recommendation on request. Redistribution to Aluminium.
UMC LI10AE Logic/Mixed-Mode/RF	max. IP8M	1.2V	1.8V/2.5V /3.3V/5V	1fF/ 1.5fF/ 2fF	8kA/12kA/20kA/40kA	Metallization is Aluminium. 5V device possible! HS, LL, SP can be combined.
UMC LI80 Logic GII	max. IP6M	1.8V	3.3V	1fF	8kA	Redistribution and bumping on request.
UMC LI80 Mixed-Mode/RF	max. IP6M	1.8V	3.3V	1fF	8kA/12kA/20kA	Redistribution and bumping on request.
UMC LI80 EFLASH Logic GI	max. 2P6M	1.8V	3.3V	/	8kA	Please get in touch with us for the EEFLASH macro information.