

UMC TECHNOLOGY OPTIONS

Options for General MPW runs

Options Regular Runs	Metallization	Core	IO	MIM	Topmetal	Remarks
UMC LI180 EFLASH Logic GII	max. 2P6M	1.8V	3.3V	/	8kA	Please get in touch with us for the EEFLASH macro information.
UMC LI180 Mixed-Mode/RF	max. IP6M	1.8V	3.3V	1fF	8kA/12kA/20kA	Redistribution and bumping on request.
UMC LI180 Logic GII	max. IP6M	1.8V	3.3V	1fF	8kA	Redistribution and bumping on request.
UMC LI130 Mixed-Mode/RF	max. IP8M2T	1.2V	3.3V	1fF/ 1.5fF/2fF	8kA/20kA	Two types (out of 3) of devices can be combined: HS,LL,SP. Redistribution to Aluminium.
UMC LI130 Logic	max. IP8M2T	1.2V	3.3V	1fF/ 1.5fF/2fF	8kA	Two types (out of 3) of devices can be combined: HS,LL,SP. 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 65N 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. ¹
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. ²
UMC 40N Logic/Mixed-Mode - LP	max. IP11M	0.9V	1.8V/2.5V	2fF	8kA/12kA/ 32.5kA	Metallization recommendation on request. Redistribution to Aluminium.
UMC 28N Logic/Mixed-Mode - HPC	max. IP11M	1.0 & 1.1V	1.8V/2.5V	2fF	8kA/12kA/ 32.5kA	Metallization recommendation on request. Redistribution to Aluminium.

¹ 6x (H) metal, LVT, MIM in development. Please contact epumc@imec.be if you use this option.

² 6x (H) metal in development. Please contact epumc@imec.be if you use this option.

Options for mini@sic runs

Options mini@sic Runs	Metallization	Core	IO	MIM	Topmetal	Remarks
UMC LI180 Mixed-Mode/RF	IP6M	1.8V	3.3V	1fF	20kA	
UMC LI130 Mixed-Mode/RF	IP8M2T	1.2V	3.3V	1fF	20kA	Possible combinations: HS, HS-LL (No SP possible)
UMC L65N Logic/Mixed-Mode/RF - LL	IP8MIT0F1U	1.2V	2.5V/2.5V_OD3.3V	2fF	32.5kA	Metal-stack "26".