UMC TECHNOLOGY OPTIONS

Options for General MPW runs

Options Regular Runs	Metali-zation	Core	IO	MIM	Topmetal	Remarks
UMC L180 EFLASH Logic GII	max. 2P6M	1,8V	3.3V	/	8kA	Please get in touch with us for the EEFLASH macro information.
UMC L180 Mixed-Mode/RF	max. 1P6M	1.8V	3.3V	1fF	8kA/12kA/20kA	Redistribution and bumping on request.
UMC L180 Logic GII	max. 1P6M	1.8V	3.3V	1fF	8kA	Redistribution and bumping on request.
UMC L110AE Logic/Mixed-Mode/RF	max. 1P8M	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 55N Logic/Mixed-Mode/RF - SP	max. 1P10M	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 65N Logic/Mixed-Mode/RF - LL	max. 1P10M	1.2V	1.8V/2.5V/2.5V_OD3.3V/3.3V	2fF	8kA/32.5kA	Metallization recommendation on request. Redistribution to Aluminium.[1]
UMC 40N Logic/Mixed-Mode - LP	max. 1P11M	1.1V & 1.2V	1.8V/2.5V	/	8kA/12.5kA/34kA	Metallization recommendation on request. Redistribution to Aluminium.
UMC 28N Logic/Mixed-Mode - HPC	max. 1P11M	0.9V	1.8V/2.5V	/	8kA/12kA/32.5kA	Metallization recommendation on request. Redistribution to Aluminium.

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

Options for mini@sic runs

Options mini@sic Runs	Metalization	Core	IO	MIM	Topmetal	Remarks
UMC L180 Mixed-Mode/RF	1P6M	1.8V	3.3V	1fF	20kA	
UMC L110AE Mixed-Mode/RF	1P8M2T	1.2V	3.3V	2fF	40kA	
UMC L65N Logic/Mixed-Mode/RF - LL	1P8M1T0F1U	1.2V	2.5V/2.5V_OD3.3V	2fF	32.5kA	Metal-stack "26".