

TAIYO YUDEN Development Roadmap of MLCC (X5R - X7R Dielectric)

Case	Rated	103	153	223	333	473	104	224	334	474	105	225	475	106	226	476	107	157	227	337	477	
Size	Voltage	10nF	15nF	22nF	33nF	47nF	100nF	220nF	330nF	470nF	1µF	2.2µF	4.7µF	10µF	22µF	47µF	100µF	150µF	220µF	330µF	470µF	
105 (0402)	4												X6S	X5R								
	6.3							X7R		X5R	X5R	X6S	X6S	X5R								
	10						X7R	X7R		X7R	X5R	X5R	X5R									
	16	X7R	X7R	X7R	X7R	X7R	X7R	X7R	X7R		X5R	X6S	X5R									
	25	X7R	X7R	X7R	X7R	X7R	X7R	X7R	X7R		X5R	X6S	X5R									
	50	X7R					X5R				X5R											
107 (0603)	4														X5R	X5R	Q3/17					
	6.3											X7R	X7R	X6S	X6S	Q1/17						
	10							X7R	X7R	X7R	X7R	X7R	X5R	X5R								
	16							X7R		X7R	X7R	X7R	X5R	X5R								
	25							X7R	X5R	X7R	X7R	X5R		X5R								
	35					X5R					X7R		Q1/17									
	100	X7R	X7R	X7R	X7R	X7R	X7R	X7S														
212 (0805)	4														X6S	X6S	X5R					
	6.3												X7R	X7R	X6S	X6S	Q3/17					
	10							X5R			X7R	X7R	X7R	X7R	X5R	X5R						
	16							X7R	X7R	X7R	X7R	X7R	X7R	X7R	X5R							
	25									X5R	X7R	X7R	X7R	X5R	Q4/17							
	35								X7R	X7R	X5R	X7R		X5R								
	100	X7R	X7R	X7R	X7R	X7R	X7R	X7R		X7R	X7R	X7R	X5R									
316 (1206)	4																X6S	X5R	X5R			
	6.3													X7R	X7R	X7S	X5R		Q2/17			
	10										X7R	X7R	X7R	X7R	X7R	X5R	Q1/17					
	16										X7R	X7R	X7R	X7R	X7R	X5R						
	25								X7R	X7R	X7R	X7R	X7R	X7R	X5R							
	35										X7R	X5R	X7R	X7R								
	100					X7R	X7R	X7R	X7R	X7R	X7R	X7S										
325 (1210)	4																	X5R	X5R	X5R		
	6.3														X5R	X7R	X7S	X5R	X5R			
	10												X5R	X7R	X7R	X7R	X6S		Q1/17			
	16												X7R	X7R	X7R	X6S	X5R					
	25											X7R	X7R	X7R	X7R	X5R						
	35											X5R	X7R	X7R	X5R							
	100						X7R	X7R	X7R	X7R	X7R	X7R	X7S									
432 (1812)	2.5																					X6S
	4																					X5R

→ Items currently in mass-production
→ expected

update 11.04.2017

X=-55°C, 5=+85°C, 6=+105°C, 7=+125°C, R/S=über den spezifizierten Temperaturbereich von -55°C bis +85/+125°C ist eine Kapazitätsänderung von 15% / 22% erlaubt