

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

Case	Rated	103	153	223	333	473	683	104	154	224	334	474	684	105	225	335	475	685	106	226	476	107	227	
Size	Voltage	10nF	15nF	22nF	33nF	47nF	68nF	100nF	150nF	220nF	330nF	470nF	680nF	1µF	2.2µF	3.3µF	4.7µF	6.8µF	10µF	22µF	47µF	100µF	220µF	
105 (0402)	4															X5R	X5R		X5R					
	6.3									X7R		X5R		X5R	X5R		X5R							
	10			X7R			X5R	X7R		X7R	X7R		X5R											
	16		X7R	X7R	X7R	X7R		X7R		X7R	X7R			X5R										
	25	X7R						X7R		X7R														
	50	X7R						X5R		X7R														
107 (0603)	4																X7R		X7R		X5R			
	6.3									X7R		X7R		X7R	X5R	X5R	X5R		X5R	X5R				
	10									X7R	X7R	X7R	X5R	X7R	X7R		X5R		X5R					
	16									X7R		X7R		X7R	X5R		X5R		X5R					
	25						X5R		X5R	X7R	X5R	X7R		X7R	X5R		X5R							
	35					X5R								X5R										
	100	X7R	X7R	X7R	X7R			X7R						X7R										
212 (0805)	4																			X6S	X6S	X5R		
	6.3															X7R	X7R		X7R	X5R	X5R	X5R		
	10									X5R			X7R	X7R	X7R	X7R	X7R		X7R	X5R	X5R			
	16							X7R	X7R	X7R	X7R	X7R	X7R	X7R	X7R		X7R		X7R	X5R				
	25										X5R	X7R	X5R		X7R	X7R		X7R		X5R				
	100	X7R	X7R	X7R	X7R	X7R	X7R	X7R	X7R		X7R		X7R		X7R	X7R								
316 (1206)	6.3																		X7R	X7R	X5R	X5R		
	10														X7R	X7R	X7R		X7R	X7R	X5R	X5R		
	16												X7R	X7R	X7R	X7R	X7R		X7R	X7R	X7R			
	25									X7R	X7R	X7R	X7R	X7R	X7R	X5R	X7R		X7R					
	35											X5R	X7R	X7R	X5R		X7R		X7R					
	100					X7R		X7R	X7R	X7R	X5R	X7R		X7R	X7R		X7R							
325 (1210)	6.3																	X5R		X7R	X7R	X7S	X5R	
	10																X5R		X7R	X7R	X7R	X7S		
	16																X7R		X5R	X7R	X7R	X5R		
	25														X7R	X7R	X7R		X7R	X7R				
	35														X7R		X5R		X7R					
	100							X7R		X7R		X7R	X7R	X7R	X7R		X7R		X7R					

→ Items currently in mass-production
 → expected

Tipp: Stets die Bauform so klein wie möglich einsetzen!

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

Updated: 20.01.2012

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