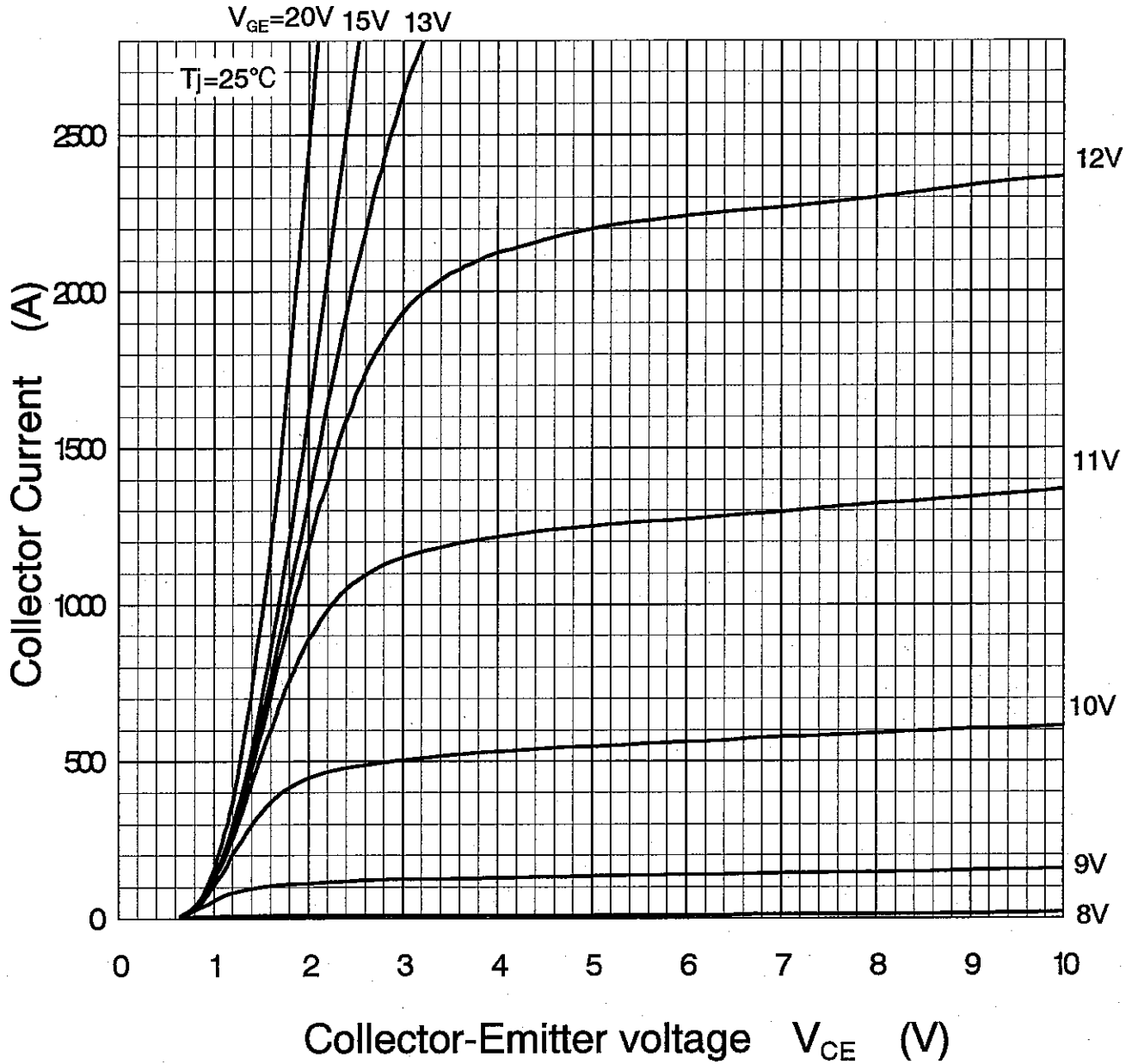




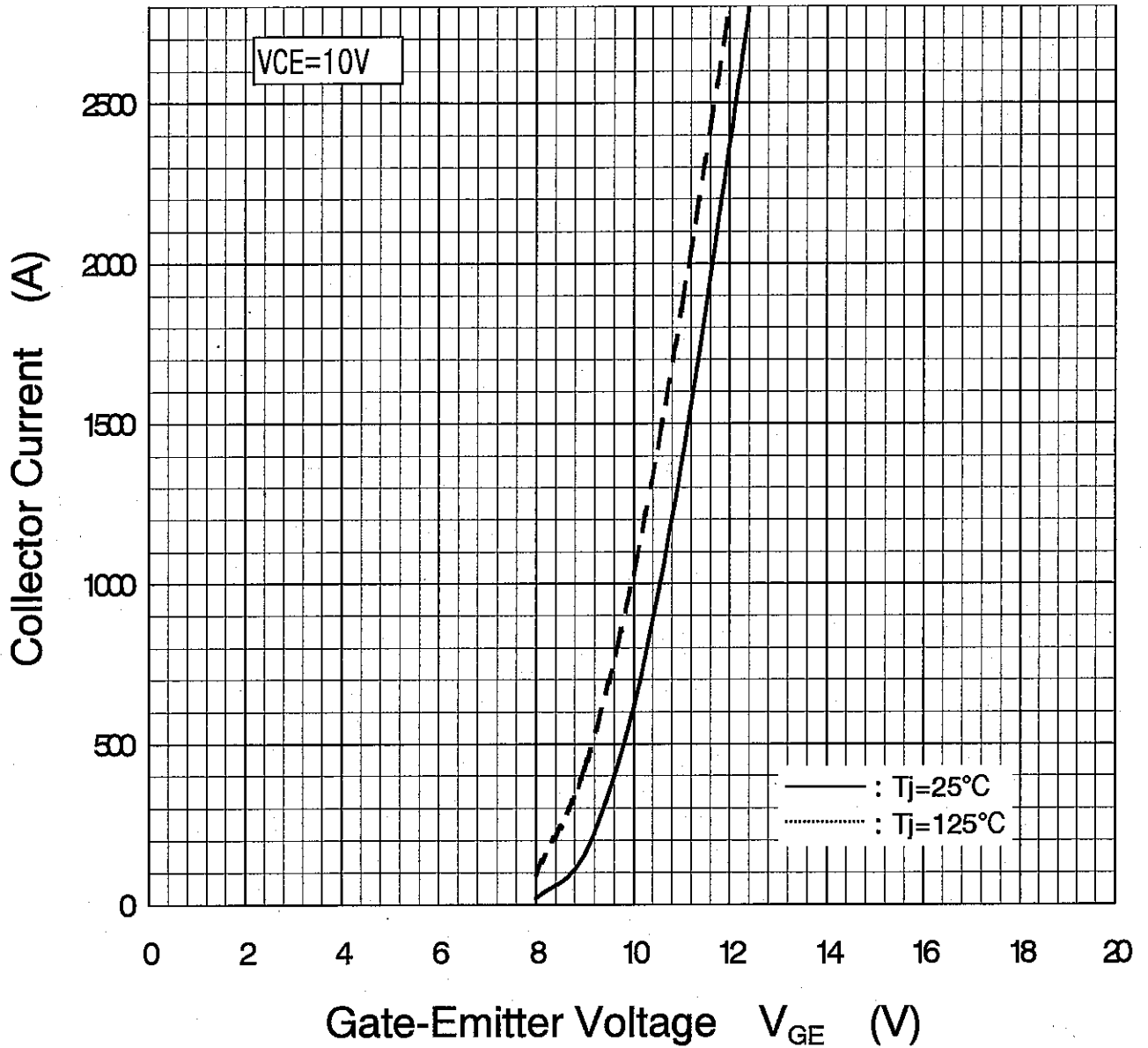
APPLICATION NOTE	Prepared by		Rev	
	Approved by			

## Output Characteristics CM1400DU-24NF (Typical)



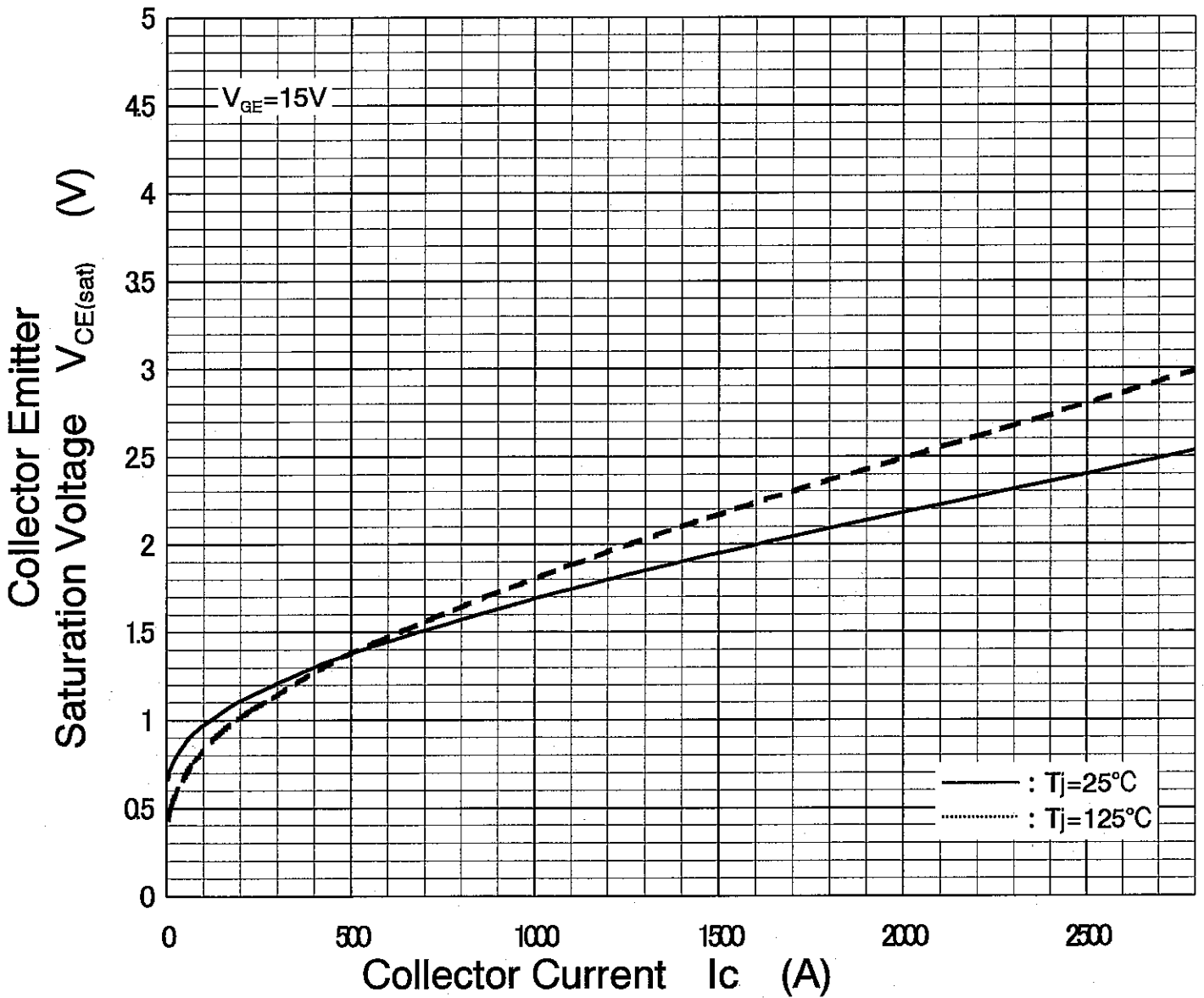
APPLICATION NOTE	Prepared by		Rev	
	Approved by			

## Transfer Characteristics CM1400DU-24NF (Typical)



APPLICATION NOTE	Prepared by		Rev	
	Approved by			

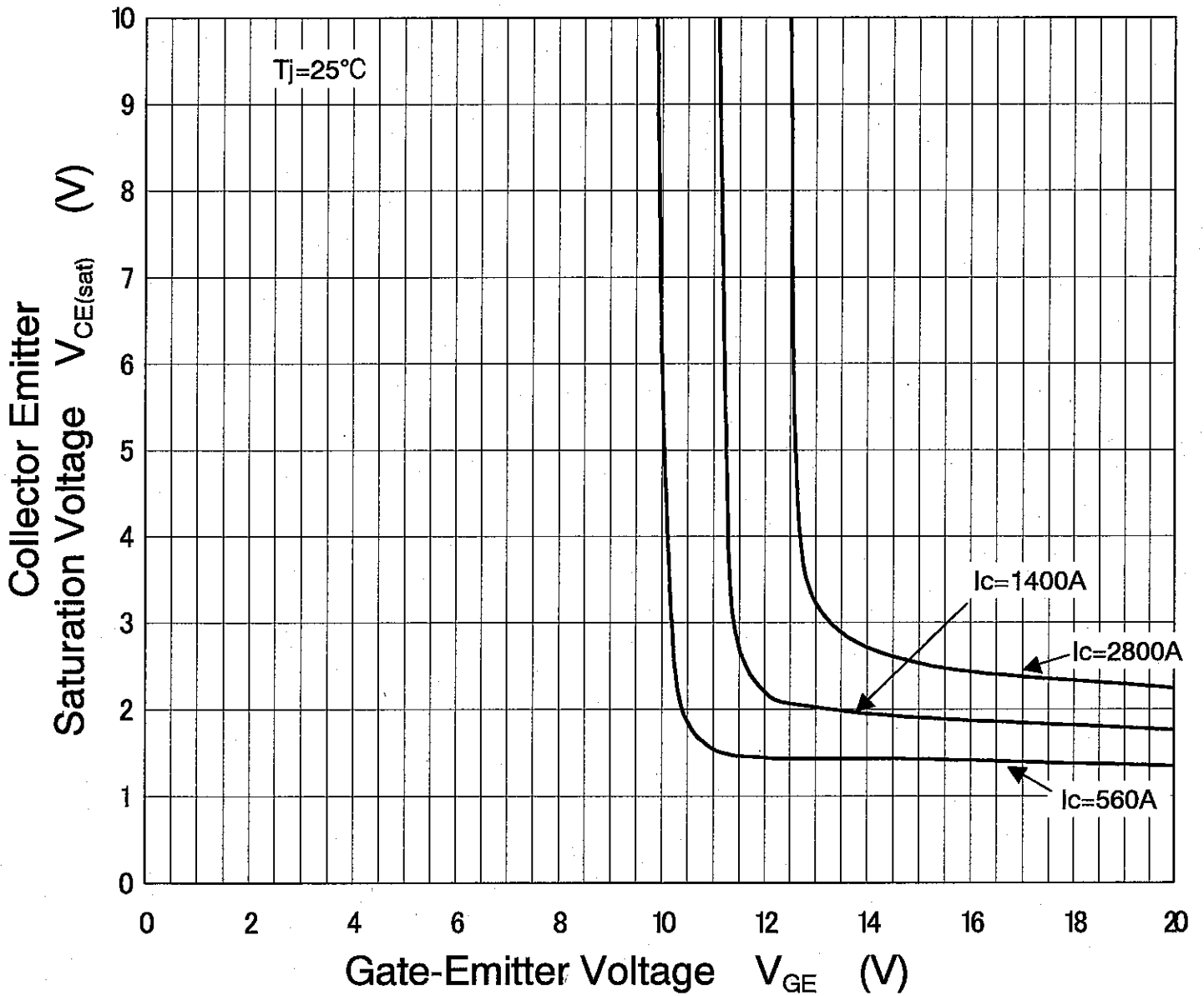
## Collector-Emitter Saturation Voltage Characteristics CM1400DU-24NF (Typical)



Note :  $V_{CE(sat)}$  of this curve does not include terminal resistance  $0.143\text{ m}\Omega$ .

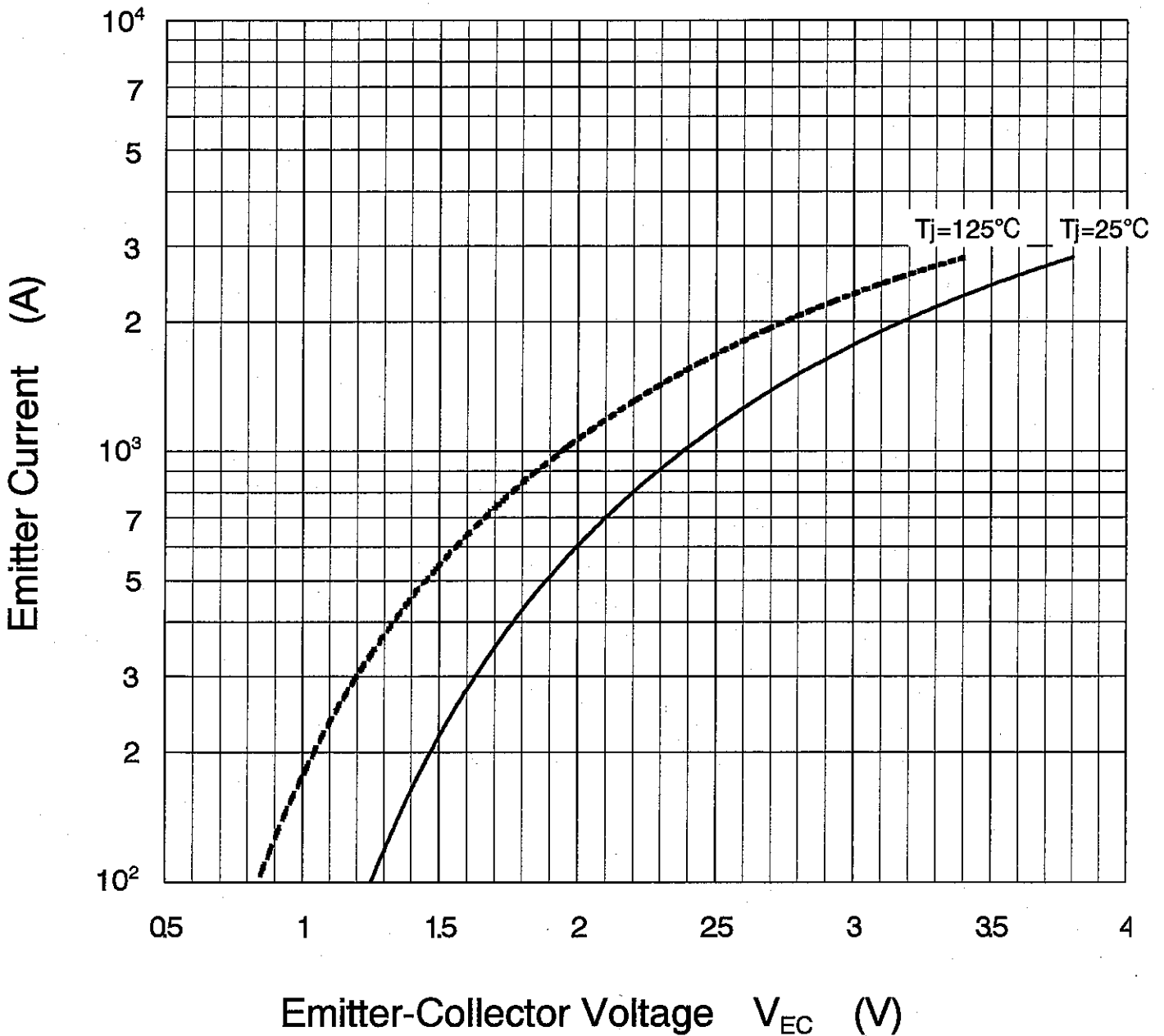
APPLICATION NOTE	Prepared by		Rev	
	Approved by			

## Collector-Emitter Saturation Voltage Characteristics CM1400DU-24NF (Typical)



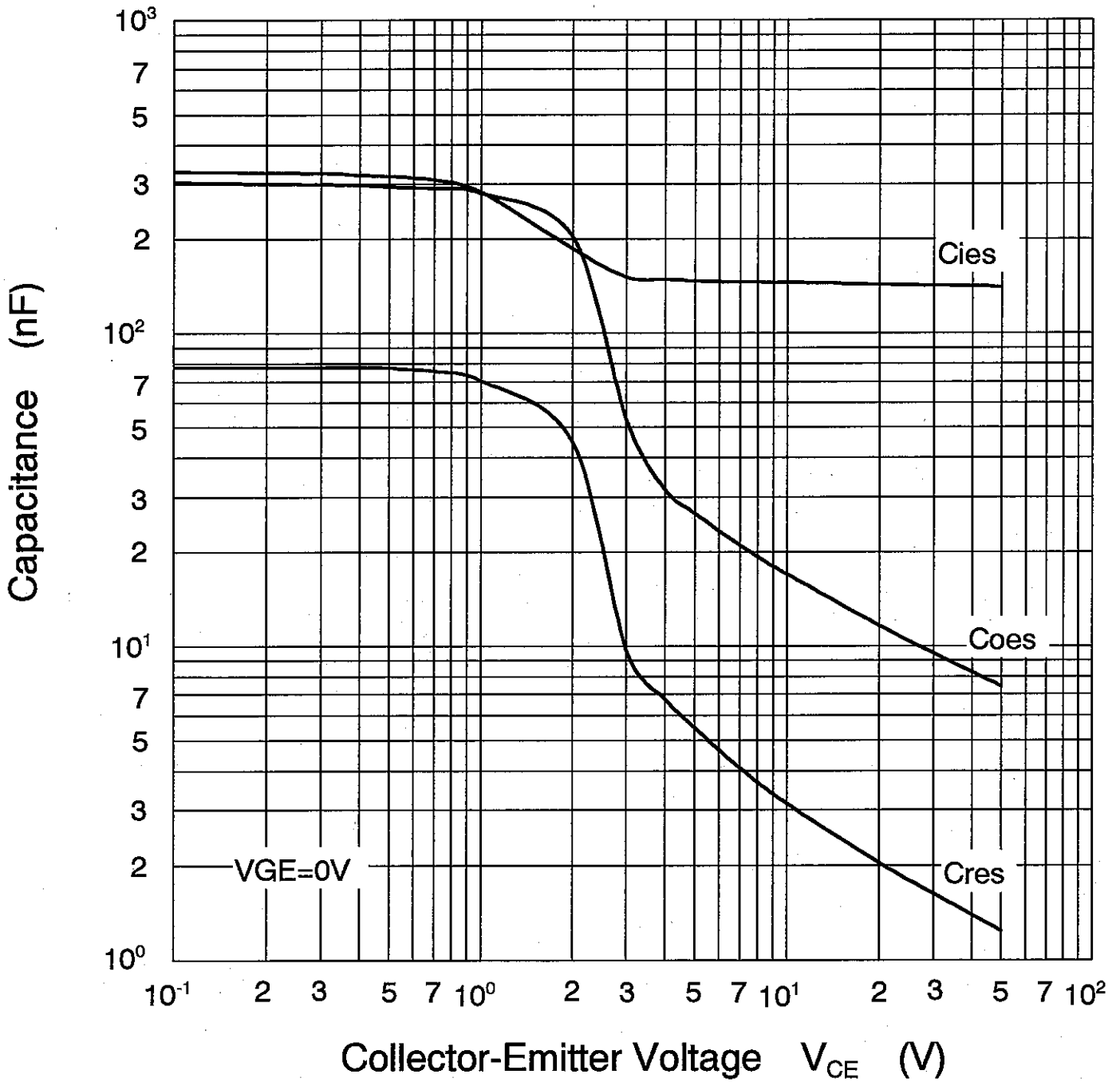
APPLICATION NOTE	Prepared by		Rev	
	Approved by			

## Free-Wheel Diode Forward Characteristics CM1400DU-24NF (typical)



APPLICATION NOTE	Prepared by		Rev	
	Approved by			

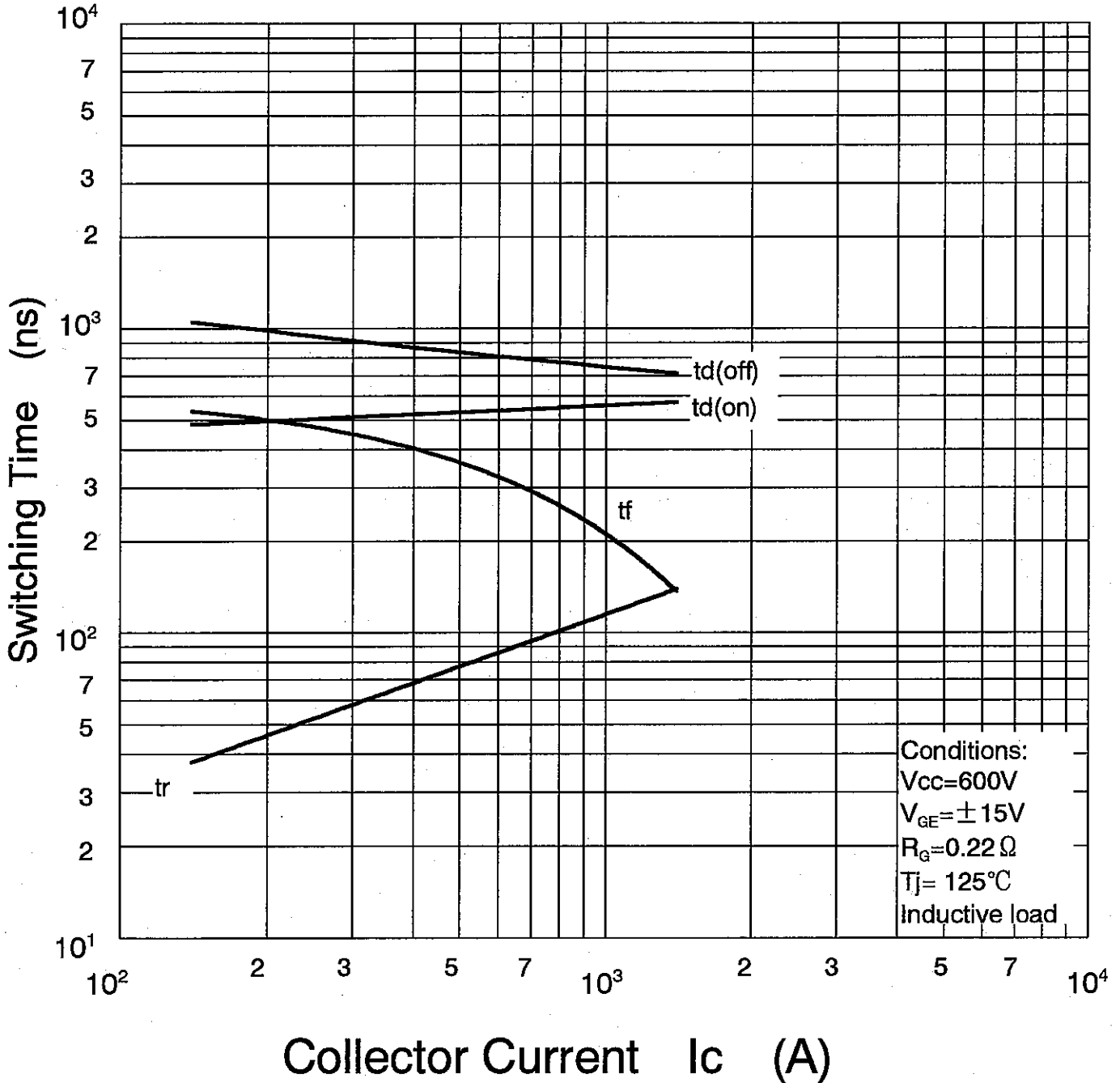
## Capacitance-VCE Characteristics CM1400DU-24NF (typical)



APPLICATION NOTE	Prepared by		Rev	
	Approved by			

# Half-Bridge Switching Characteristics (typical)

## CM1400DU-24NF

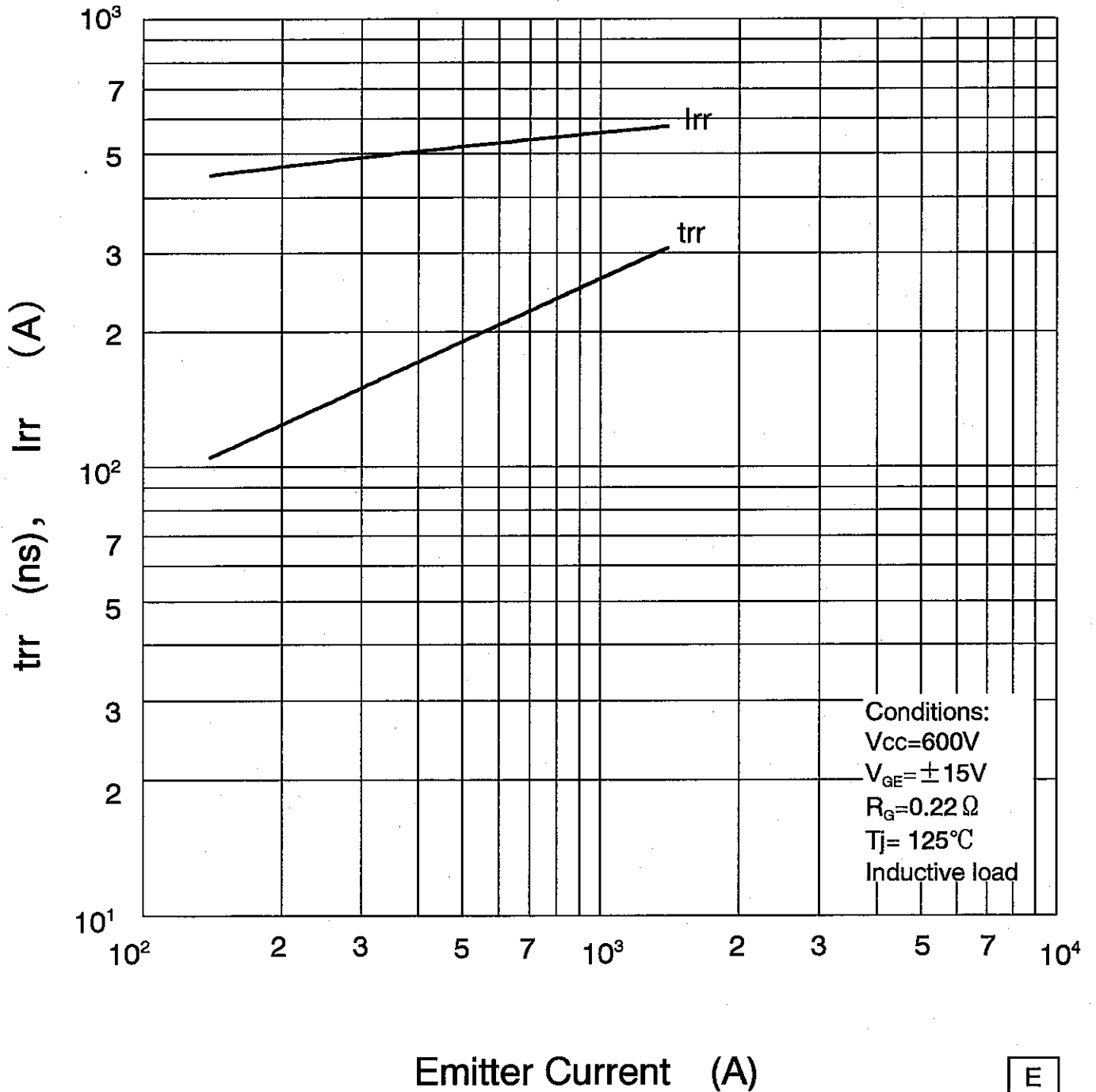


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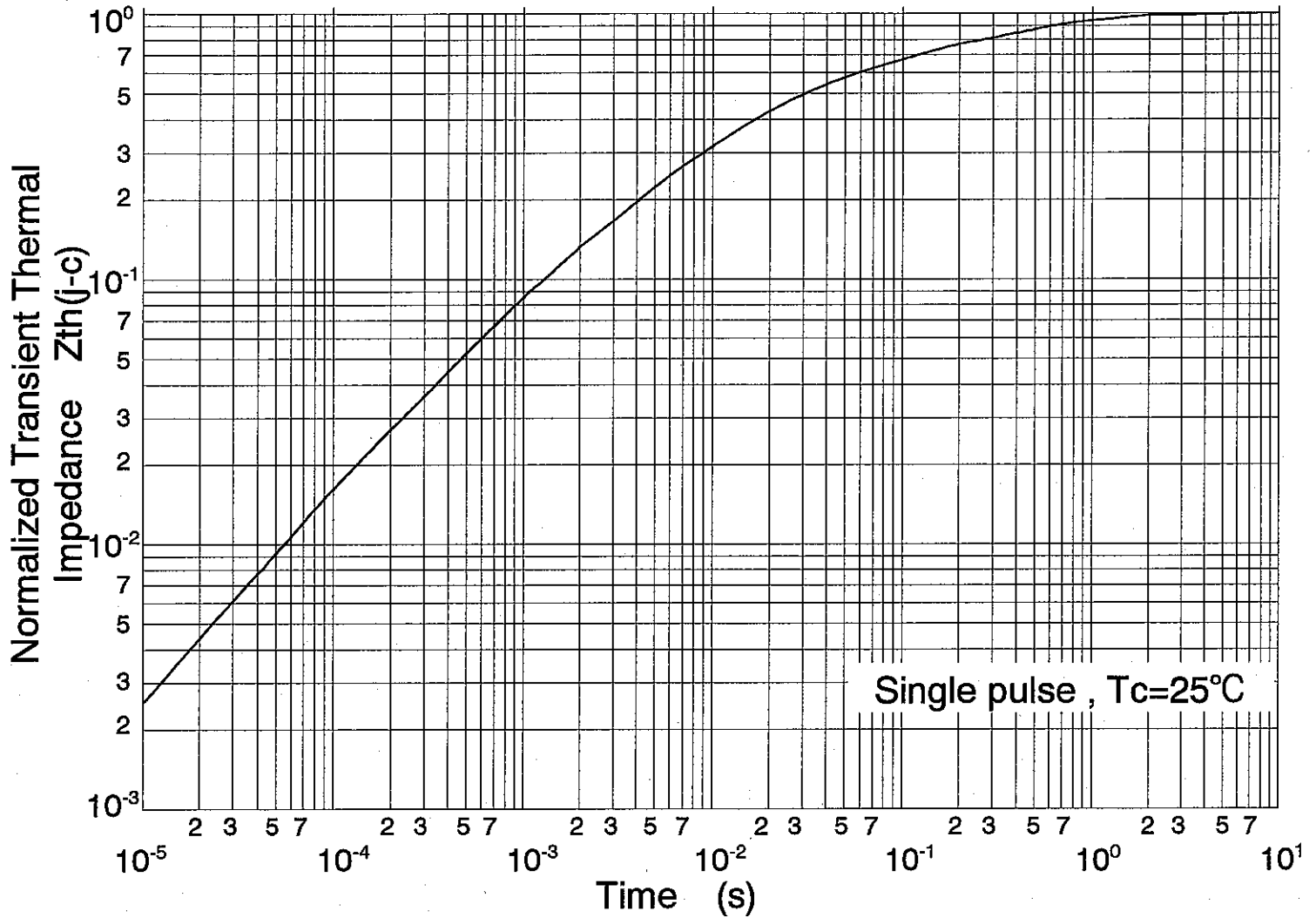
APPLICATION NOTE	Prepared by		Rev	
	Approved by			

## Reverse Recovery Characteristics Of Free-Wheel Diode CM1400DU-24NF (typical)



APPLICATION NOTE	Prepared by		Rev	
	Approved by			

## Transient Thermal Impedance Characteristics (IGBT part & FWD part) CM1400DU-24NF



IGBT part :

Per unit base= $R_{th(j-c)}=0.032^{\circ}\text{C}/\text{W}$

FWD part :

Per unit base= $R_{th(j-c)}=0.053^{\circ}\text{C}/\text{W}$

APPLICATION NOTE	Prepared by		Rev	
	Approved by			

## Gate Charge Characteristics (typical) CM1400DU-24NF

